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NOTICE OF ALLOWANCE AND FEE(S) DUE

45809 7590 09/03/2009

SHOOK, HARDY & BACON L.L.P.
(c/o MICROSOFT CORPORATION)
INTELLECTUAL PROPERTY DEPARTMENT
2555 GRAND BOULEVARD
KANSAS CITY, MO 64108-2613

EXAMINER

JOO, JOSHUA

ART UNIT

PAPER NUMBER

2454

DATE MAILED: 09/03/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/691,872

10/23/2003

Sterling Reasor

304671.01/MFCP.143034

6758

TITLE OF INVENTION: SYSTEM AND METHOD FOR GENERATING AGGREGATED DATA VIEWS IN A COMPUTER NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/03/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

45809 7590 09/03/2009

SHOOK, HARDY & BACON L.L.P.
(c/o MICROSOFT CORPORATION)
INTELLECTUAL PROPERTY DEPARTMENT
2555 GRAND BOULEVARD
KANSAS CITY, MO 64108-2613

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/691,872 10/23/2003 Sterling Reasor 304671.01/MFCP.143034 6758

TITLE OF INVENTION: SYSTEM AND METHOD FOR GENERATING AGGREGATED DATA VIEWS IN A COMPUTER NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 12/03/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
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JOO, JOSHUA 2454 709-200000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,872	10/23/2003	Sterling Reasor	304671.01/MFCP.143034	6758
45809	7590	09/03/2009	EXAMINER	
SHOOK, HARDY & BACON L.L.P. (c/o MICROSOFT CORPORATION) INTELLECTUAL PROPERTY DEPARTMENT 2555 GRAND BOULEVARD KANSAS CITY, MO 64108-2613			JOO, JOSHUA	
			ART UNIT	PAPER NUMBER
			2454	
			DATE MAILED: 09/03/2009	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 271 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 271 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/691,872	REASOR ET AL.	
	Examiner	Art Unit	
	JOSHUA JOO	2454	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/18/09.
2. ☒ The allowed claim(s) is/are 1,12,15,24,27 and 37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <p>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____</p> <p>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</p> | <p>5. <input type="checkbox"/> Notice of Informal Patent Application</p> <p>6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____.</p> <p>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</p> <p>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</p> <p>9. <input type="checkbox"/> Other ____.</p> |
|---|---|

/Nathan J. Flynn/
Supervisory Patent Examiner, Art Unit 2454

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given by Applicant Christopher S. Duncan, Reg. No. 64,287, on August 19, 2009.

The application is amended as follows:

Claims

1. (Currently Amended) In a computer network having three or more computing devices in communication, a method for managing data available for access on the network, the method comprising:

- obtaining, at a host computing device included as part of the computer network and associated with a user, a first user request to identify data corresponding to a set of criteria, the set of criteria including a unique security ID associated with the user;
- verifying authorization of the user to access the data corresponding to the set of criteria based on the unique security ID;
- obtaining an identification of data stored on the host computing device associated with the first user request and matching the set of criteria;
- automatically obtaining an identification of data stored on at least one computing device included in the computer network and matching the set of criteria;
- merging the identification of data stored on the host computing device associated with the user request and the identification of data stored on the at least one computing device included in the computer network;

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generating a first user result from the merging of the identification of data stored on the host computing device associated with the first user request and the identification of data stored on the at least one computing device included in the computer network;

maintaining a record of the first user result;

obtaining, at the host computing device, a second user request to identify data corresponding to the set of criteria;

obtaining ~~[[an]]~~ a second user result identifying data associated with the second user request and matching the set of criteria, stored ~~either~~ on the host computing device;

~~querying or on~~ any other computing device in the computer network available to identify data associated with the second user request in response to ~~[[a]]~~ the second user request;

~~while still in communication with the computer network,~~ determining that one computing device in the computer network that was previously searched as a result of the first user request is unavailable to identify data corresponding to the second user request;

generating a recalled result portion by recalling ~~the~~ a portion of the first user result containing data located on the one computing device that is unavailable during the second user request;

generating a substituted result by substituting the recalled result portion for results from the second user request of the one unavailable computing device; and

generating a merged result by merging results including a result from the any other computing device available to identify data in response to the second user request, the second user result, and the substituted result.

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12. (Currently Amended) The method as recited in Claim 1, wherein generating a merged result by merging results including a result from the any other computing device available to identify data in response to the second user request, the second user result, and the substituted result includes generating visual cues corresponding to data not currently available to the user.

15. (Currently Amended) In a computer network having three or more computing devices in communication, a method for managing data available for access on the network, the method comprising:

obtaining a first user request to identify data stored on the three or more computing devices, wherein one of the three or more computing devices is a local computing device, the data corresponding to a set of criteria, the set of criteria including a unique user security ID;

automatically querying the three or more computing devices within the computer network to identify data stored on ~~the~~ local computing device storage locations associated with the unique user security ID on the three or more computing devices;

verifying authorization of the user, based on the unique user security ID, to access the data corresponding to the set of criteria;

merging results of the querying;

generating a first user result from merging results of the querying;

displaying the first user result ~~results~~;

maintaining a record of the first user result;

obtaining a second user request to identify data stored on the three or more computing devices;

transmitting the second user request to one or more available computing devices on the computer network;

obtaining a second user result identifying data stored on the one or more available computing devices in the computer network associated with the unique user security ID identifier and matching the

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unique user ID in response to the second user request sent to the one or more available computing devices
identifier;

~~while still in communication with the computer network~~, determining that one of the three or more computing devices previously searched as a result of the first user request is unavailable to identify data corresponding to the second user request;

generating a recalled result portion by recalling ~~the~~ a portion of the first user result containing data located on the one computing device that is unavailable during the second user request;

generating a substituted result by substituting the recalled result portion for results from the second user request of the one unavailable computing device; and

generating a merged result by merging the second user result and the substituted result.

27. (Currently Amended) In a computer network having a computing device directly associated with a user and at least two remote computing devices ~~device~~ in communication, a method for managing data available for access on the network, the method comprising:

obtaining, by the computing device directly associated with the user, a first request to identify data corresponding to a set of criteria, the set of criteria including a unique security ID associated with the user;

verifying authorization, based on the unique security ID of the user, to access the data corresponding to the set of criteria;

obtaining, by the computing device directly associated with the user, an identification of locally stored data matching the set of criteria;

transmitting, by the computing device directly associated with the user, the first request to the at least two remote computing devices ~~device~~ for an identification of data matching the set of criteria;

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obtaining, by the at least two remote computing devices ~~device~~, an identification of locally stored data matching the set of criteria;

transmitting, by the at least two remote computing devices ~~device~~, the identification of locally stored data matching the set of criteria;

generating a first user result by merging, by the computing device directly associated with the user, data matching the set of criteria stored on the device directly associated with the user and the at least two remote computing devices ~~device~~;

maintaining a record of the first user result;

obtaining, by the computing device directly associated with the user, a second user request to identify data corresponding to the set of criteria;

transmitting, by the computing device directly associated with the user, the second user request to any available remote computing devices on the computer network to identify data corresponding to the set of criteria;

obtaining, by the computing device directly associated with the user, a second user result comprising an identification of data stored locally matching the set of criteria and data stored on the any available remote computing device that is still available to identify data in response to a request;

~~while still in communication with the computer network,~~ determining, by the computing device directly associated with the user, that one remote computing device that was previously searched as a result of the first user request is unavailable to identify data corresponding to the second user request;

generating a recalled result portion by recalling, by the computing device directly associated with the user, the portion of the first user result containing data located on the one remote computing device that is unavailable during the second user request;

generating a merged result by merging, by the computing device directly associated with the user, the second user result and the substituted result.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua Joo who telephone number is 571 272-3966. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571 272-1915.

/J. J./

Examiner, Art Unit 2454

/Nathan J. Flynn/

Supervisory Patent Examiner, Art Unit 2454